GENERAL NOTES:
(PANELBOARD SHEETS ONLY)

A. CONTRACTOR SHALL VERIFY AMPACITY RATING AND NUMBER OF POLES OF EXISTING BREAKERS IN EXISTING PANELS PRIOR TO ORDERING. THE DESIGN INTENT IS TO REPLACE THE EXISTING PANELS AND BREAKERS WITH THE NEW PANELS AND BREAKERS OF AN EXACT MATCH. IF ANY DISCREPANCIES ARE NOTED ON PANEL SCHEDULES, CONTRACTOR SHALL AMEND THE SCHEDULE AS REQUIRED TO MATCH EXISTING BREAKER SIZE PRIOR TO ORDERING PANELBOARD.

B. PROVIDE NEW PANEL INTERIORS INSIDE EXISTING PANEL ENCLOSURE FOR PANELS AS NOTED. CONTRACTOR SHALL PROVIDE EQUIPMENT MANUFACTURER WITH HEIGHT, WIDTH, AND DEPTH DIMENSIONS OF EXISTING ENCLOSURE. SELECT AND COORDINATE WITH EQUIPMENT MANUFACTURER TO PROVIDE NEW BACKPLATE WITH STUDS TO ALLOW PROPER FIT AND INSTALLATION OF NEW INTERIORS. PROVIDE NEW DEAD FRONT COVER WITH DOOR-IN-DOOR CONSTRUCTION. THE NEW BREAKER ARRANGEMENT SHALL MATCH ARRANGEMENT OF EXISTING BREAKERS. CONDUCTOR SPLICING SHALL BE KEPT TO A MINIMUM. IF SPLICES ARE REQUIRED, PROVIDE COPPER COMPRESSION SPLICES AND HEAT SHRINK TO ACHIEVE AN INSULATION RATING EQUAL TO THE CONDUCTORS.

C. PROVIDE LOCK-ON DEVICES FOR ALL BREAKERS SERVING FIRE ALARM, SECURITY SYSTEMS, OR EMERGENCY LIGHTING BRANCH CIRCUITS.

D. CONTRACTOR SHALL VERIFY THE EXISTING CONNECTED BRANCH CIRCUIT LOADS, EQUIPMENT, OR ROOMS SERVED PRIOR TO THE REMOVAL OF THE EXISTING PANELBOARDS. CONTRACTOR SHALL PROVIDE A NEW TYPE WRITTEN PANEL SCHEDULE INDICATING THE LOAD SERVED AND LOCATION(S) INCLUDING ROOM NUMBERS. PROVIDE SCHEDULES IN ELECTRONIC FORMAT (MS WORD OR EXCEL) FOR FINAL INSPECTION AND WITH PROJECT AS-BUILTS.

NOTES:
(THIS SHEET ONLY)

(1) CONTRACTOR SHALL LOAD TEST PANEL AND BALANCE PHASES BY REARRANGING FEEDERS.

(2) EXISTING, CONNECT TO NEW PANEL. PROVIDE BOXES/WIREWAY AS REQUIRED FOR SPLICING.

(3) EXISTING.

NEW PANEL

PANEL 2LNC13 (OLD DA-1) TYPE SURFACE, NEMA 1

VOLTAGE 208Y/120V 3ø 4W MAINS 100A MCB

POLE	TRIP	CONDUCTOR	CONDUIT	DESIGNATION	KVA	NO	PHASE A	PHASE B	PHASE C	NO	KVA	DESIGNATION	CONDUIT	CONDUCTOR	TRIP	POLE
1	20	(2)	(2)	EXISTING LOAD		1	–			2		EXISTING LOAD	(2)	(2)	20	2
1	20			EXISTING LOAD		3		–		4						
1	20			EXISTING LOAD		5			–	6		EXISTING LOAD	(2)	(2)	20	1
1	20			EXISTING LOAD		7	–			8		EXISTING LOAD			20	1
1	20			EXISTING LOAD		9		–		10		EXISTING LOAD			20	1
1	20			EXISTING LOAD		11			–	12		EXISTING LOAD			20	1
1	20			EXISTING LOAD		13	–			14		EXISTING LOAD			20	1
1	20			EXISTING LOAD		15		–		16		EXISTING LOAD			20	1
1	20			EXISTING LOAD		17			–	18		EXISTING LOAD			20	1
1	20			EXISTING LOAD		19	–			20		EXISTING LOAD			20	1
1	20			EXISTING LOAD		21		–		22		EXISTING LOAD			20	1
1	20			EXISTING LOAD		23			–	24		EXISTING LOAD			20	1
1	20	–	–	SPARE		25	–			26		SPARE	–	–	20	1
1	20	–	–	SPARE		27		–		28		SPARE	–	–	20	1
1	20	–	–	SPARE		29			–	30		SPARE	–	–	20	1
1	20	–	–	SPARE		31	–			32		SPARE	–	–	20	1
1	20	–	–	SPARE		33		–		34		SPARE	–	–	20	1
1	20	–	–	SPARE		35			–	36		SPARE	–	–	20	1
1	20	–	–	SPARE		37	–			38		SPARE	–	–	20	1
1	20	–	–	SPARE		39		–		40		SPARE	–	–	20	1
1	20	–	–	SPARE		41			–	42		SPARE	–	–	20	1
				TOTAL:								MIN. RATING 22 KAIC				

REPLACEMENT PANEL

PANEL 2LNA12 (OLD DC) TYPE RECESSED, NEMA 1

VOLTAGE 208Y/120V 3ø 4W MAINS 100A MCB

POLE	TRIP	CONDUCTOR	CONDUIT	DESIGNATION	KVA	NO	PHASE A	PHASE B	PHASE C	NO	KVA	DESIGNATION	CONDUIT	CONDUCTOR	TRIP	POLE
1	20	(3)	(3)	EXISTING LOAD		1	–			2						
1	20			EXISTING LOAD		3		–		4		SPARE	–	–	30	3
1	20			EXISTING LOAD		5			–	6						
1	20			EXISTING LOAD		7	–			8						
1	20			EXISTING LOAD		9		–		10		SPARE	–	–	20	3
1	20			EXISTING LOAD		11			–	12						
1	25			EXISTING LOAD		13	–			14		SPARE	–	–	20	1
1	20			EXISTING LOAD		15		–		16		SPARE	–	–	20	1
1	20			EXISTING LOAD		17			–	18		SPARE	–	–	20	1
1	20			EXISTING LOAD		19	–			20		SPARE	–	–	20	1
1	20			EXISTING LOAD		21		–		22		SPARE	–	–	20	1
1	20			EXISTING LOAD		23			–	24		SPARE	–	–	20	1
1	20			EXISTING LOAD		25	–			26		SPARE	–	–	20	1
1	20			EXISTING LOAD		27		–		28		SPARE	–	–	20	1
1	20			EXISTING LOAD		29			–	30		SPARE	–	–	20	1
1	20			EXISTING LOAD		31	–			32		SPARE	–	–	20	1
1	20			EXISTING LOAD		33		–		34		SPARE	–	–	20	1
1	20			EXISTING LOAD		35			–	36		SPARE	–	–	20	1
1	20			EXISTING LOAD		37	–			38		SPARE	–	–	20	1
1	20			EXISTING LOAD		39		–		40		SPARE	–	–	20	1
1	20	–	–	SPARE		41			–	42		SPARE	–	–	20	1
				TOTAL:			(1)	(1)	(1)			MIN. RATING 22 KAIC				

NEW PANEL

PANEL 2LLC2 (OLD REFRIGERATOR) TYPE SURFACE, NEMA 1

VOLTAGE 208Y/120V 3ø 4W MAINS 100A MCB

POLE	TRIP	CONDUCTOR	CONDUIT	DESIGNATION	KVA	NO	PHASE A	PHASE B	PHASE C	NO	KVA	DESIGNATION	CONDUIT	CONDUCTOR	TRIP	POLE
3	20	(2)	(2)	EXISTING LOAD		1	–			2						
						3		–		4		EXISTING LOAD	(2)	(2)	50	3
						5			–	6						
3	20	(2)	(2)	EXISTING LOAD		7	–			8		EXISTING LOAD	(2)	(2)	20	1
						9		–		10		EXISTING LOAD			20	1
						11			–	12		EXISTING LOAD			20	1
1	20	–	–	SPARE		13	–			14		SPARE	–	–	20	1
1	20	–	–	SPARE		15		–		16		SPARE	–	–	20	1
1	20	–	–	SPARE		17			–	18		SPARE	–	–	20	1
1	20	–	–	SPARE		19	–			20		SPARE	–	–	20	1
1	20	–	–	SPARE		21		–		22		SPARE	–	–	20	1
1	20	–	–	SPARE		23			–	24		SPARE	–	–	20	1
1	20	–	–	SPARE		25	–			26		SPARE	–	–	20	1
1	20	–	–	SPARE		27		–		28		SPARE	–	–	20	1
1	20	–	–	SPARE		29			–	30		SPARE	–	–	20	1
1	20	–	–	SPARE		31	–			32		SPARE	–	–	20	1
1	20	–	–	SPARE		33		–		34		SPARE	–	–	20	1
1	20	–	–	SPARE		35			–	36		SPARE	–	–	20	1
1	20	–	–	SPARE		37	–			38		SPARE	–	–	20	1
1	20	–	–	SPARE		39		–		40		SPARE	–	–	20	1
1	20	–	–	SPARE		41			–	42		SPARE	–	–	20	1
				TOTAL:								MIN. RATING 22 KAIC				

NEW PANEL

PANEL 2LNC14 (OLD DECON MAIN) TYPE SURFACE, NEMA 1

VOLTAGE 208Y/120V 3ø 4W MAINS 100A MCB

POLE	TRIP	CONDUCTOR	CONDUIT	DESIGNATION	KVA	NO	PHASE A	PHASE B	PHASE C	NO	KVA	DESIGNATION	CONDUIT	CONDUCTOR	TRIP	POLE
3	20	(3)	(3)	EXISTING LOAD		1	–			2						
						3		–		4		EXISTING LOAD	(3)	(3)	50	3
						5			–	6						
3	40	(3)	(3)	EXISTING LOAD		7	–			8		SPARE	–	–	20	1
						9		–		10		SPARE	–	–	20	1
						11			–	12		SPARE	–	–	20	1
1	20	–	–	SPARE		13	–			14		SPARE	–	–	20	1
1	20	–	–	SPARE		15		–		16		SPARE	–	–	20	1
1	20	–	–	SPARE		17			–	18		SPARE	–	–	20	1
1	20	–	–	SPARE		19	–			20		SPARE	–	–	20	1
1	20	–	–	SPARE		21		–		22		SPARE	–	–	20	1
1	20	–	–	SPARE		23			–	24		SPARE	–	–	20	1
1	20	–	–	SPARE		25	–			26		SPARE	–	–	20	1
1	20	–	–	SPARE		27		–		28		SPARE	–	–	20	1
1	20	–	–	SPARE		29			–	30		SPARE	–	–	20	1
1	20	–	–	SPARE		31	–			32		SPARE	–	–	20	1
1	20	–	–	SPARE		33		–		34		SPARE	–	–	20	1
1	20	–	–	SPARE		35			–	36		SPARE	–	–	20	1
1	20	–	–	SPARE		37	–			38		SPARE	–	–	20	1
1	20	–	–	SPARE		39		–		40		SPARE	–	–	20	1
1	20	–	–	SPARE		41			–	42		SPARE	–	–	20	1
				TOTAL:								MIN. RATING 22 KAIC				

PHASING NOTES:
(BUILDING 2 ONLY)

1. DEMOLISH ELEVATOR D-2.
2. REMOVE EXISTING ELEVATOR EQUIPMENT FROM ROOM BM-125 AND DEMOLISH WALLS.
3. INSTALL NEW PANEL "2LNC1" AND TEMPORARILY FEED FROM EXISTING SWITCHBOARD "MS".
4. RELOCATE CIRCUITS FROM EXISTING PANELS "ELEVATOR" AND "DQ" TO NEW PANEL "2LNC1" AND REMOVE PANELS "ELEVATOR" AND "DQ".
5. REMOVE EXISTING PANELS "DB-A", "DB-A1".
6. CONSTRUCT NEW WALL FROM COLUMN 72/159 TO WALL AT DOOR TO STAIR D-2.
7. SET NEW PAD MOUNT TRANSFORMER T-2.
8. SET NEW EXTERIOR MAIN SWITCH "DS-2LNC1" AND SERVICE LATERAL.
9. INSTALL NEW MAIN SWITCHBOARD "MS-2LNC1" AND FEEDER FROM "DS-2LNC1".
10. INSTALL PERMANENT FEEDER FROM "MS-2LNC1" TO "2LNC1".
11. INSTALL NEW PANEL "2LNC2" AND FEEDER FROM "MS-2LNC1".
12. REMOVE EXISTING NORMAL POWER FEEDERS SERVING EXISTING TO REMAIN TRANSFER SWITCHES "ET-E1" (ATS-2LCC1), "ET-D1" (ATS-2LEC1), AND "ET-LS1" (ATS-2LLC1) FROM PANEL "DPA" AND REPLACE WITH NEW FEEDERS TO NEW SWITCHBOARD "MS-2LNC1".
13. REMOVE EXISTING PANEL "DPA" AND BREAKER "ET-2A".
14. INSTALL NEW PANEL "2LNC3".
15. SELECTIVELY DEMOLISH WALL FROM COLUMN 71/124 TO COLUMN LINE B FACILITATE TRANSFERING FEEDERS FROM EXISTING PANELS "DMP-L", "DMP-R", AND "DP" TO NEW PANELS "2LNC1", "2LNC2" AS REQUIRED. EXISTING CONDUITS FROM "DMP-L" AND "DMP-R" MAY BE UTILIZED PROVIDED CONTRACTOR VERIFIES THE EXISTING RACEWAY MEETS THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS, CODE AND REUSE PROVIDES LESS DOWNTIME THAN PROVIDING NEW CONDUIT.
16. INSTALL NEW PANELS "2LNC8" AND "2LNC9" IN ROOM BM121 AND FEEDERS TO "2LNC1".
17. REMOVE EXISTING PANELS "DMP-L", "DMP-R", AND ADJACENT "DP".
18. INTERCEPT EXISTING TO REMAIN FEEDERS FOR "DP"(2LNA1), "DH"(2LNA4), "DG"(2LNA5), "DK-B"(2LNA6), "DF"(2LNA7), "DI"(2LNA8), "DJ"(2LNA9) FROM EXISTING SWITCHBOARD ""MS" AND RE-FEED TO NEW SWITCHBOARD.
19. INSTALL NEW TWO-SECTION PANEL "2LNB1-L(R)" AND FEEDER TO "MS-2LNC1", REMOVE EXISTING PANELS "PK-R", "PK-L", AND "PK-L1" AND FEEDERS TO EXISTING SWITCHBOARD "MS".
20. REMOVE EXISTING SWITCHBOARD "MS".
21. REMOVE EXISTING PAD MOUNT TRANSFORMER "T-2".
22. INSTALL NEW TWO-SECTION PANEL "2LNB3-L(R)" AND FEEDER TO "2LNC1", REMOVE EXISTING PANELS "DN-1" AND "DN-2" AND FEEDERS TO EXISTING SWITCHBOARD "DMP-L". REFEED EXISTING TO REMAIN PANEL ""DN-1A"(2LNB4).
23. INSTALL NEW PANELS "2LNC4", "2LNC5", "2LNC6", AND "2LNC7". REMOVE EXISTING PANELS "DS", "WX", AND "YZ".
24. INSTAL NEW FEEDERS FROM NEW SWITCHBOARD "MS-2LNC1" TO EXISTING TO REMAIN PANEL "DU"(2LNA11), REMOVE EXISTING FEEDER FROM EXISTING TO BE REMOVED PANEL "AMP" IN BUILDING 1.
25. REPLACE PANELS AND FEEDERS FOR "ELEC SHOP"(2LNC11), "DA"(2LNC10), "DC"(2LNA12), "DO"(2LNA13), DECONTAMINATION"(2LNA14).
26. REPLACE FEEDER AND PANEL "DL"(2LNB5), "DR"(2LND1) AND FEEDER TO "DR-1"(2LNB7).
27. INSTALL NEW TRANSFORMER "2XNC5" AND PANEL "2HNC5".
28. REMOVE EXISTING TRANSFORMER "T-DA1" AND PANEL "DA-1".

120/208, 3ø, 4W — NEW SWITCHBOARD MS-2LNC1 (OLD MS2) — 2500 AMP M.L.O.

MARK	CIRCUIT BREAKER FRAME	CIRCUIT BREAKER RATING	CIRCUIT BREAKER POLE	LOAD	CONN. KVA	CONDUCTORS	CONDUIT
A	800	600	3	PANEL 2LNA1	EX.	2 SETS:4#350MCM (EX.)	EX.
B	800	400	3	PANEL 2LNA4	EX.	4#500KCMIL;#4G (EX.)	EX.
C	800	400	3	PANEL 2LNA5	EX.	4#500KCMIL;#4G (EX.)	EX.
D	400	225	3	PANEL 2LNA6	EX.	4#4/0;#4G (EX.)	EX.
E	800	400	3	PANEL 2LNA7	EX.	4#500KCMIL;#4G (EX.)	EX.
F	400	225	3	PANEL 2LNA8	EX.	4#4/0;#4G (EX.)	EX.
G	400	225	3	PANEL 2LNA9	EX.	4#4/0;#4G (EX.)	EX.
H	400	225	3	PANEL 2LNB1-L AND 2LNB1-R (2 SECTION)	EX.	4#4/0;#4G	3"
I	800	800	3	PANEL 2LNC1	EX.	2 SETS:4#500KCMIL;#1/0G	4"
J	800	800	3	PANEL 2LNC2	EX.	2 SETS:4#500KCMIL;#1/0G	4"
K	800	800	3	SPARE	–	–	–
L	800	600	3	ATS 2LCC1	EX.	2 SETS:4#350KCMIL;#1G	3-1/2"
M	800	600	3	ATS 2LEC1	EX.	2 SETS:4#350KCMIL;#1G	3-1/2"
N	800	800	3	ATS 2LLC1	EX.	3 SETS:4#350KCMIL;#1/0G	3-1/2"
O	800	600	3	SPARE	–	–	–
P	400	400	3	SPARE	–	–	–
Q	225	225	3	SPARE	–	–	–
R	225	225	3	SPARE	–	–	–
S	–	–	3	SPACE	–	–	–
T	–	–	3	SPACE	–	–	–
U	–	–	3	SPACE	–	–	–

PANEL LEGEND	
2LNA13	2LNA12
2LLC2	2LNA14
	MS-2LNC1

TECHNICON
ENGINEERS/ARCHITECTS
MACON & ATLANTA

Revisions	Date

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Joint Venture

GEORGIA REGISTERED PROFESSIONAL ENGINEER RANDY B. PEACOCK

Drawing Title: BUILDING 2 PANELBOARD SCHEDULES

Project Title: CORRECT ELECTRICAL DEFICIENCIES

Date: FEBRUARY 2, 2012

Project No.: 557-10-110

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Building Number: 2 | Checked: RBP | Drawn: TWG

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Dwg. Of __

FINAL SUBMITTAL

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